

Title (en)

TURBOMACHINE ASSEMBLY COMPRISING FAN BLADES WITH AN EXTENDED TRAILING EDGE

Title (de)

TURBOMASCHINENANORDNUNG MIT GEBLÄSESCHAUFELN MIT VERLÄNGERTER HINTERKANTE

Title (fr)

ENSEMBLE DE TURBOMACHINE COMPRENANT DES AUBES DE SOUFFLANTE À BORD DE FUITE PROLONGÉ

Publication

**EP 3899207 A1 20211027 (FR)**

Application

**EP 19848803 A 20191220**

Priority

- FR 1873734 A 20181221
- FR 2019053234 W 20191220

Abstract (en)

[origin: WO2020128384A1] The invention relates to a turbomachine assembly (1) comprising a fan (2) and a booster drum-type part (3), the fan (2) comprising: - blades (20) comprising an airfoil (23) and an extension (30) mounted on and attached to the trailing edge (25) of the airfoil (23), - a fan (2) disc (10) and - a series of inter-blade platforms (16), the extension (30) of each blade (20) extending beyond the downstream face (14) of the fan (2) disc (10) in the direction of the upstream edge (4) of the part (3) and covering, at least partially, the cavity (6) between the fan (2) and the part (3).

IPC 8 full level

**F01D 5/14** (2006.01); **F01D 5/30** (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP US)

**F01D 5/145** (2013.01 - EP US); **F01D 5/3007** (2013.01 - EP US); **F01D 11/008** (2013.01 - US); **F01D 11/008** (2013.01 - EP); **F05D 2220/36** (2013.01 - EP US); **F05D 2240/304** (2013.01 - EP US); **F05D 2240/55** (2013.01 - US); **F05D 2300/10** (2013.01 - US); **F05D 2300/603** (2013.01 - US)

Citation (search report)

See references of WO 2020128384A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2020128384 A1 20200625**; CN 113423921 A 20210921; CN 113423921 B 20230324; EP 3899207 A1 20211027; EP 3899207 B1 20220727; FR 3090733 A1 20200626; FR 3090733 B1 20201204; US 11473430 B2 20221018; US 2022056803 A1 20220224

DOCDB simple family (application)

**FR 2019053234 W 20191220**; CN 201980091919 A 20191220; EP 19848803 A 20191220; FR 1873734 A 20181221; US 201917416897 A 20191220